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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of: DALE HARRISON

Filed: SEPTEMBER 23, 2003

For: VACUUM ULTRAVIOLET REFLECTOMETER SYSTEM AND METHOD

Serial No.: 10/668,642

Group Art Unit: UNKNOWN

Examiner: UNKNOWN

Atty Dkt: METR:003

Pursuant to 37 C.F.R. 1.8, I certify that this correspondence is being deposited with the U.S. Postal Service in a first class, postage prepaid envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313 on the date below:

6-10-04  
Date

Diane C Petts  
Name

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313

Sir:

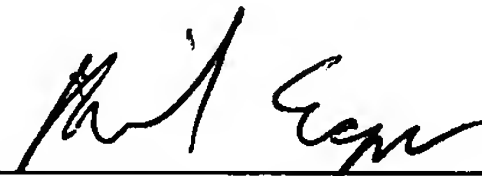
Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, it is respectfully requested that this Information Disclosure Statement be entered and the document(s) listed on attached Form PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that (a) the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b); and/or (b) that the information cited is, or is considered to be prior art.

The present Information and Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Deposit Account No. 10-1205/METR:003.

Applicant respectfully requests that the listed document(s) be made of record in the present case.

Respectfully submitted,



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Enclosures

**Form PTO-1449** (modified)

List of Patents and Publications for Applicant's

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Atty. Docket No.  
METR:003Serial No.  
10/668,642Applicant  
Dale A. HarrisonFiling Date:  
September 23, 2003Group:  
UnknownU.S. Patent Documents  
See Page 1-2Foreign Patent Documents  
See PageOther Art  
See Page 2-3**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1	3,091,154	5/28/63	Hall			
	A2	4,899,055	2/6/90	Adams			
	A3	5,608,526	3/4/97	Piwonka-Corle et al.			
	A4	5,747,813	5/5/98	Norton et al.			
	A5	5,798,837	8/25/98	Aspnes et al.			
	A6	5,880,831	3/9/99	Buermann et al.			
	A7	5,900,939	5/4/99	Aspnes et al.			
	A8	5,991,022	4/27/99	Buermann et al.			
	A9	6,128,085	10/3/00	Buermann et al.			
	A10	6,181,427	1/30/01	Yarussi, et al.			
	A11	6,278,519	8/21/01	Rosencwaig et al.			
	A12	6,297,880	10/2/01	Rosencwaig et al.			
	A13	6,304,326	10/16/01	Aspnes et al.			
	A14	6,411,385	6/25/02	Aspnes et al.			
	A15	6,414,302	7/2/02	Freeouf			
	A16	6,417,921	7/9/02	Rosencwaig et al.			
	A17	5,917,594	6/29/99	Norton			
	A18	Re. 34,783	11/8/94	Coates			
	A19	US2002/0149774	10/17/02	McAninch			
	A20	US2002/0154302	10/24/02	Rosencwaig			
	A21	6,261,853	7/17/01	Howell et al.			
	A22	5,182,618	1/26/93	Heinonen			
	A23	3,572,951	3/30/71	Rothwarf et al.			
	A24	US2003/0071996	4/17/03	Wang et al.			

**Examiner:****Date Considered:**

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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See PageOther Art  
See Page 2-3**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A25	Unknown		"Vacuum Ultraviolet Optical System for Operation in Ambient Atmosphere"  Inventors: Michael J. Mandella & Dale A. Harrison  Filed: 9/10/99  (Prior filed US Patent Application – current status unknown )			9/10/99

**Foreign Patent Documents**

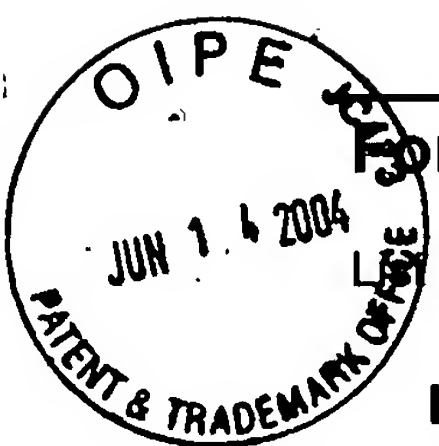
Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						

**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C1	McPherson Product Brochure "Reflectometer for Sample Analysis," 3 pgs.
	C2	McPherson Product Brochure "VUVaS Spectrophotometers for 115 nm to >380 nm," 4 pgs.
	C3	McPherson Product Brochure "VUVaS Spectrophotometers, Made to Measure 115-380 nm," 8 pgs.
	C4	Acton Research Product Brochure "Acton Research Purged DAMS Optical Measurement System," 2 pgs.
	C5	"The Thin Film tool for next generation lithography at 157nm," Web page from <a href="http://www.sopra-sa.com">http://www.sopra-sa.com</a> , 1pg.
	C6	"SE and GXR combined on the same instrument," Web page from <a href="http://www.sopra-sa.com">http://www.sopra-sa.com</a> , 1pg.

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See PageOther Art  
See Page 2-3**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C7	"The ideal Thin Film characterization unit for Development and Pilot Line environment," Web page from <a href="http://www.sopra-sa.com">http://www.sopra-sa.com</a> , 1 pg.
	C8	"VUV-VASE <sup>TM</sup> , The Award Winning VUV-VASE <sup>TM</sup> is the latest addition to our line of Spectroscopic Ellipsometers," Web pages from <a href="http://www.jawoolam.com">http://www.jawoolam.com</a> , 2 pgs.
	C9	"Vacuum UV Spectroscopic Ellipsometers," Web pages from <a href="http://www.sentech.de">http://www.sentech.de</a> , 3 pgs.

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